

**MR-1 REPORT CHECK OFF LIST**Company : **ANDARN ELECTRO SERVICE**SCP # : **27400442**

Address : 72 Michigan Avenue Paterson, N.J. 07503

Contact : Dan Patel

1. Category 40 CFR 413.44, 54, 64 Sub. D, E, & F
2. **Month of: February 2009**
3. Is Permit # Correct? ☒ Y ☐ N ☐ N/A
4. Is regulated flow stated in space provided? ☒ Y ☐ N ☐ N/A
5. Total flow provided in proper space? ☒ Y ☐ N ☐ N/A
6. Is method used to calculate water stated,? ☒ Y ☐ N ☐ N/A
7. Are number of working days stated ? ☒ Y ☐ N ☐ N/A
8. Are there any parameters which have exceeded a daily maximum limit or could cause the company to be out of compliance with a monthly or 4-day average ? ☐ Y ☒ N ☐ N/A
- 8a Are any non-detectable results higher than the permit limits ? ☐ Y ☒ N ☐ N/A
- 8b If the answer to 8a was yes. did the company submit any documentation in support of compliance ? ☐ Y ☐ N ☒ N/A
9. Is proper compliance/non-compliance statement provided ? ☒ Y ☐ N ☐ N/A
10. If applicable is compliance schedule submitted ? ☐ Y ☐ N ☒ N/A
11. Is combined waste stream formula required ? ☐ Y ☐ N ☒ N/A
12. If combined waste stream formula was used, have calculations been submitted correctly ? ☐ Y ☐ N ☒ N/A
13. Have correct number of samples been submitted ? ☒ Y ☐ N ☐ N/A
14. Has sample number been reported in space provided ? ☒ Y ☐ N ☐ N/A
15. Have all regulated parameters been listed on MR-1 ? ☒ Y ☐ N ☐ N/A
16. Has sample type been stated on MR-1 ? ☒ Y ☐ N ☐ N/A
17. Have all samples been taken during this reporting period ? ☒ Y ☐ N ☐ N/A
18. Has NJDEPE certified lab been used ? ☒ Y ☐ N ☐ N/A
19. Have analytical results been submitted on copies of Laboratory stationery ? ☒ Y ☐ N ☐ N/A

20.	Have results been written in space designated on MR-1?	<input checked="" type="checkbox"/> Y	N	N/A
21.	Have average permit limitations been included on MR-1?	<input checked="" type="checkbox"/> Y	N	N/A
22.	Have maximum permit limitations been included on MR-1?	<input checked="" type="checkbox"/> Y	N	N/A
23.	Is method used to preserve samples stated on MR-1?	<input checked="" type="checkbox"/> Y	N	N/A
24.	If non use statement is made do regulations allow exemptions?	<input checked="" type="checkbox"/> Y	N	N/A
25.	Has MR-1 been signed by authorized representative ?	<input checked="" type="checkbox"/> Y	N	N/A
26.	Has information been submitted on proper MR-1 form ?	<input checked="" type="checkbox"/> Y	N	N/A
27.	Have any and all PVSC samples taken during this month been averaged in with the company samples ?	<input checked="" type="checkbox"/> Y	N	N/A

First Reviewer: comments on deficiencies \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date Reviewed \_\_ 4/09 \_\_\_\_\_ Date sent to user \_\_\_\_\_  
Date due back \_\_\_\_\_ Reviewer \_\_ MP \_\_\_\_\_

Second Review comments on deficiencies \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date Reviewed \_\_ 4/09 \_\_\_\_\_ Date sent to user \_\_\_\_\_  
Date due back \_\_\_\_\_ Reviewer \_\_\_\_\_  
Date ok \_\_\_\_\_ Reviewer \_\_\_\_\_

PRETREATMENT MONITORING REPORT

NAME: ANDARN ELECTRO SERVICE, INC.

MAILING ADDRESS: 72 MICHIGAN AVENUE, PATERSON, NJ 07503

FACILITY LOCATION: 72 MICHIGAN AVENUE, PATERSON, NJ 07503

CATEGORY & SUBPART: 40 CFR 413.44 SP-D, 413.54 SP-E, 413.64 SP-F OUTLET#: 1

CONTACT OFFICIAL: DAN PATEL TELEPHONE#: 523-2220

NEW CUSTOMER ID / OUTLET ID: 27200053-1

MONITORING PERIOD					
2	1	2009	2	28	2009
MON	DAY	YR	MON	DAY	YR
START			END		

	AVERAGE	MAXIMUM
Regulated flow-gal/day	5,247	5,772
Total Flow-gal/day	5,247	5,772

Method Used: Average Regulated & Average Total flow for this outlet from readings of main water meter & well meter, minus sanitary calculation (from readings of sanitary meter) divided by 19 work days in month. Max = Avg flows + 10%.

Parameter	2-2	Mass or Concentration			No. of Samples	Sample type
		Mon Avg	Maximum	Units		
Cd	Sample measurement	<0.001 ✓	<0.001	mg/l	1	Comp.
	Permit requirement	0.19	1.2	"		
Pb	Sample measurement	0.00412 ✓	0.00412	"	1	Comp.
	Permit requirement	0.54	0.6	"		
CN (A)	Sample measurement	< 0.02 ✓	< 0.02	"	1	Grab
CN (A)	Permit requirement	2.7	5.0	"		
Ni	Sample measurement	0.087 ✓	N/A	"	1	Comp
	Permit requirement	5.9	N/A	"		
Zn	Sample measurement	0.058 ✓	N/A	"	1	Comp
	Permit requirement	1.67	N/A	"		
Cu	Sample measurement	0.13 ✓	N/A	"	1	Comp
	Permit requirement	3.02	N/A	"		
	Sample measurement					
	Permit requirement					
	Sample measurement					
	Permit requirement					
	Sample measurement					
	Permit requirement					

PVSC Form Mr-1 Rev: 4 6/87 P1.

**PRETREATMENT MONITORING REPORT****Certification of Non-use (use additional sheets if necessary) Based on Historical Data.**

"Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment limitation (or pretreatment standard) for total toxic organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since the filing of the last discharge monitoring report. I further certify that this facility is implementing the solvent management plan submitted to the Passaic Valley Sewerage Commission on May 26, 2005." Andarn Electro Service, Inc. is certifying non-use for Mercury for this month.

**Compliance or non-compliance statement with compliance schedule (use additional sheets if necessary) for every parameter used.**

Andarn Electro Service, Inc. is in compliance for 40 CFR 413.44 Subpart - D, 40 CFR 413.54

Subpart E, 40 CFR 413.64 Subpart F, PSES, for dischargers of less than 10,000 gpd for

monitoring conducted by the company during this month and as presented in this report. Andarn

Electro Service, Inc. is also in compliance with all PVSC Local Limits.

**Explain Method for preserving samples:**

Metal samples were composites that were preserved with HNO<sub>3</sub> to pH < 2.0.

Cyanide sample was a grab which was preserved with NaOH to pH > 12.0.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

"During this monitoring period, no change has been made to the plot plan submitted to PVSC on 8/15/94."



Signature of Principal  
Executive or Authorized Agent

DAN PATEL

Plant Manager  
Type Name and Title

3/18/2009

Date

PVSC Form MR-1 Rev. 5 3/91 P2

**ANDARN ELECTRO SERVICE - (40CFR 413 and PVSC LOCAL LIMIT MR-1) -  
FEBRUARY 2009**

<b>AVERAGE FLOW CALCULATIONS</b>	<b>19 Work days in month</b>
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**MAIN CITY METER (TOTAL FLOW)**

857,994	Present Meter Reading
-850,618	Past Meter Reading
7,376	Cubic feet
x7.48	
55,172	Gallons MAIN
+53,200	Gallons WELL
108,372	Gallons
x .95	(-5% Evaporation)
102,953	Total gallons of City water used this month

**WELL METER (PROCESS))**

2618840	Present Meter Reading
-2565640	Past Meter Reading
53,200	Gallons

5,419 GPD = Average Total Flow from facility.  
19 | 102,953.

**INTERNAL WATER METER (SANITARY)**

221,426	Present Meter Reading
-220,991	Past Meter Reading
435	Cubic Feet
x7.48	
3,254	Gallons Total Unregulated Flow

**FLOW FOR OUTLET # 27200053-1**

102,953	Total Flow
-3,254	Sanitary flow
99,699	Gallons

5,247 GPD = Average Regulated and Total Flow  
19 | 99,699 for OUTLET # 27200053-1

**MAXIMUM FLOW CALCULATION (AVERAGE = MAXIMUM + 15%)**

5,247	AVERAGE FLOW
x1.10	MAX = AVG +10%
5,772	GPD = MAXIMUM REGULATED and TOTAL FLOW FOR OUTLET # 27200053-1



## ANALYTICAL DATA REPORT

for

Andarn Electro-Service

72 Michigan Ave

Paterson, NJ 07503

Project Name: PVSC MONITORING

Lab Case Number: E09-01128

MDL = METHOD DETECTION LIMIT

&lt; = LESS THAN THE MDL

## General Analytical

Lab ID: 01128-001  
 Client ID: 01  
 Percent Moisture: 100

Date Sampled: 2/2/2009  
 Time Sampled: NA

Parameter	Result	MDL	Matrix-Units	Date Analyzed
Cyanide, Amenable	< 0.020	0.020	Aqueous-mg/L	2/5/2009 13:50

## Metals

Lab ID: 01128-002  
 Client ID: 02  
 Matrix-Units: Aqueous-mg/L  
 Percent Moisture: 100

Date Sampled: 2/2/2009  
 Time Sampled: NA  
 Date Analyzed: 2/5/09

Parameter	Result	Q	MDL
Cadmium	< 0.001		0.001
Copper	0.130		0.008
Lead	0.00412		0.002
Nickel	0.087		0.004
Zinc	0.058		0.008

## General Analytical

Lab ID: 01128-002  
 Client ID: 02  
 Percent Moisture: 100

Date Sampled: 2/2/2009  
 Time Sampled: NA

Parameter	Result	MDL	Matrix-Units	Date Analyzed
Biochemical Oxygen Demand	11.0	2.00	Aqueous-mg/L	2/4/2009 15:00
Total Suspended Solids	96.5	12.5	Aqueous-mg/L	2/5/2009 15:30

ND = Analyzed for but Not Detected at the MDL

These data have been reviewed and accepted by:

*Michael H. Leftin*  
 Michael H. Leftin, Ph.D.  
 Laboratory Director

273 Franklin Road  
 Randolph, NJ 07869  
 Phone: 973 361 4252  
 Fax: 973 989 5288



IAL is a NELAP New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (00126), Pennsylvania (68-00773) and in the Department of Navy IR QA Program





## PROJECT INFORMATION

Case No. **E09-01128**Project **PVSC MONITORING**Customer **Andarn Electro-Service**

P.O. #

Contact **John Sabo**Received **2/4/2009 14:00**EMail **ENVIRO43@aol.com**☐ EMail EDDsVerbal Due **2/19/2009**

Phone

Fax **(973) 633-7643**Report Due **2/26/2009**Report ToBill To

72 Michigan Ave

Enviro-Comp

Paterson, NJ 07503

P.O. Box 3457

Wayne, NJ 07474-3457

Attn: John Sabo

Attn: John Sabo

Report Format **Result Only**

Additional Info

☐ State Form☐ Field Sampling☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
01128-001	01	n/a	2/2/2009	Aqueous	ug/L	1
01128-002	02	n/a	2/2/2009	Aqueous	ug/L	2

Sample #	Tests	Status	QA Method
001	Cyanide, Amenable	Complete	4500CN C
002	Cadmium - Cd	In Process	200.8
"	Copper - Cu	In Process	200.8
"	Lead - Pb	In Process	200.8
"	Nickel - Ni	In Process	200.8
"	Zinc - Zn	In Process	200.8
"	BOD	Run	5210B
"	TSS (Suspended)	Run	2540D



## INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NO: E 09

01128

CLIENT:

Andam Electro

COOLER TEMPERATURE: 2° - 6°C: ☒

( See Chain of Custody)

Comments

COC: COMPLETE / INCOMPLETE  
KEY☒ = YES/NA  
☒ = NO

- ☒ Bottles Intact
- ☒ no-Missing Bottles
- ☒ no-Extra Bottles

- ☒ Sufficient Sample Volume
- ☒ no-headspace/bubbles in VO's
- ☒ Labels intact/correct
- ☒ pH Check (exclude VO's)<sup>1</sup>
- ☒ Correct bottles/preservative
- ☒ Sufficient Holding/Prep Time<sup>1</sup>

☐ Sample to be Subcontracted

<sup>1</sup> All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY:

INITIAL

DATE

2/4/09

CORRECTIVE ACTION REQUIRED:

YES

☐

(SEE BELOW)

NO

☐

CLIENT NOTIFIED:

YES

☐

Date/ Time:

NO

☐

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY:

INITIAL

DATE

2.5.09

REV 02/05

**Laboratory Custody Chronicle****IAL Case No.****E09-01128****Client** Andarn Electro-Service**Project** PVSC MONITORING**Received On** 2/ 4/2009@14:00**Department: Metals**

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
Cadmium - Cd	01128-002	Aqueous	2/ 5/09	Lisa	2/ 5/09	Helge
Copper - Cu	-002	Aqueous	2/ 5/09	Lisa	2/ 5/09	Helge
Lead - Pb	-002	Aqueous	2/ 5/09	Lisa	2/ 5/09	Helge
Nickel - Ni	-002	Aqueous	2/ 5/09	Lisa	2/ 5/09	Helge
Zinc - Zn	-002	Aqueous	2/ 5/09	Lisa	2/ 5/09	Helge

**Department: Wet Chemistry**

			<u>Prep. Date</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Analyst</u>
BOD	-002	Aqueous	n/a	n/a	2/ 4/09@15:00	Kris
Cyanide, Amenable	-001	Aqueous	n/a	n/a	2/ 5/09	jessica
TSS (Suspended)	-002	Aqueous	n/a	n/a	2/ 5/09	Kam

**Review and Approval:**
